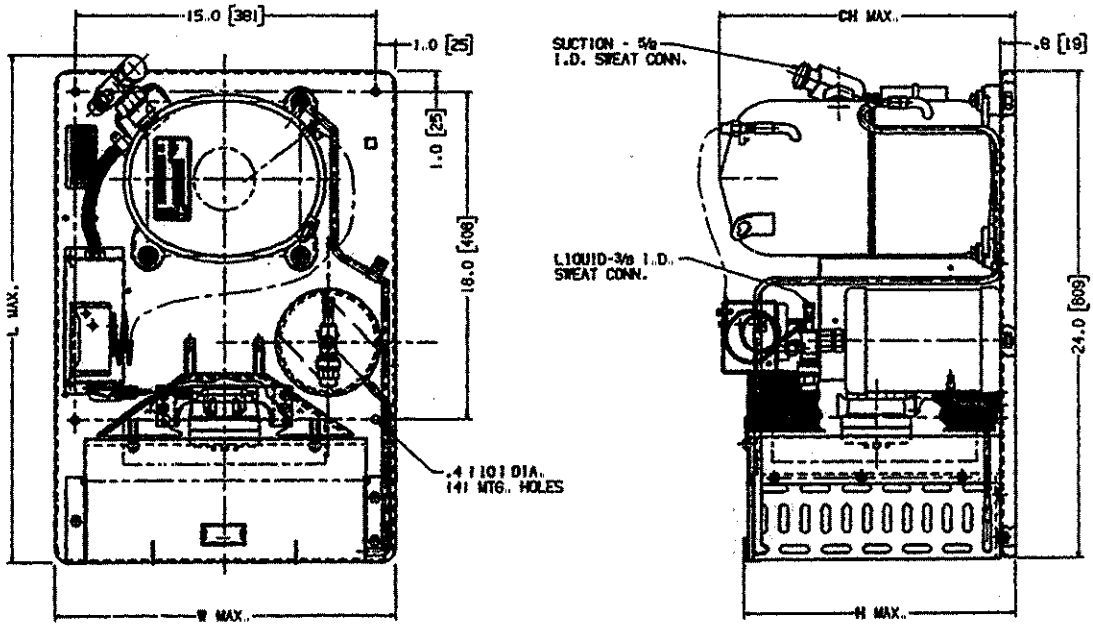
AHA2435AXDXC

March 10, 2000

Revision 2003

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AHA2435AXDXC (B/M 2C702-49) R-12 3/4 HP AIR COOLED



NOTE: DIMENSIONING = INCHES (MILLIMETERS)

AB

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AHA2435AXDXC	24.9	17.0	13.5	14.6	5/8 S	3/8 S	7.6#	405	45	128

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ Performance

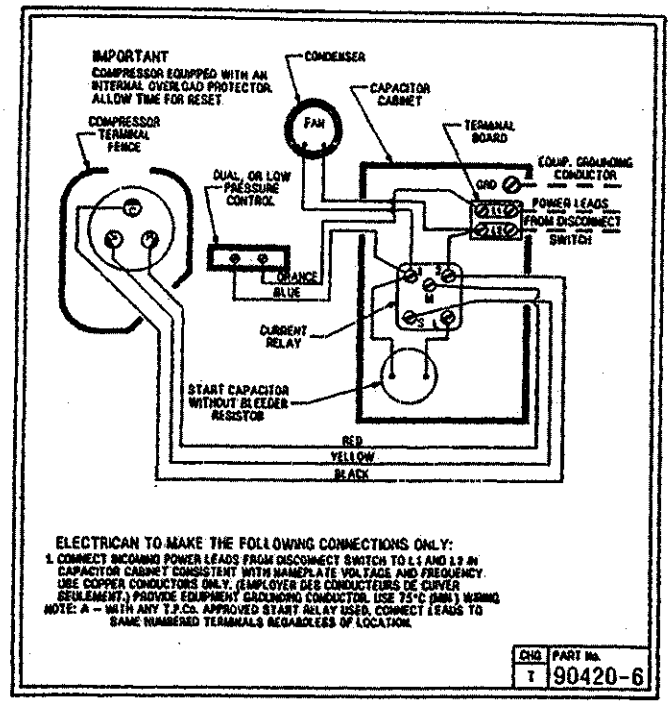
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	11.0	1100	500	105	840	340	122	540	580	140
-30	* 5.5 "	2050	690	115	1750	735	134	1480	770	150
-20	*0.6"	3050	900	126	2740	930	144	2440	965	162
-10	435	4100	1100	140	3780	1140	156	3480	1165	174
0	9.2	5200	1320	154	4840	1350	170	4500	1365	186
+10	14.6	6300	1560	168	5950	1565	184	5600	1575	200

* Inches of mercury below one atmosphere

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AHA2435AXDXC**
Nominal Voltage	230/208-1
Unit B/M	2C702-49
Voltage Range	253 to 187
Min. Circuit Ampacity	8.3
Max. Fuse Size (Amps)	15
Compressor Model	**AHA2435AXD**
Comp. Bill of Material	AH400EF-504
RLA/LRA	6.4/45.0
ESP Overload	Internal
ESP Relay	P82939
Capacitor Cabinet	AE1197-001
Start Capacitor	85PS250A58
Rating	196-236MFD/250V
Control	84026-5 (LP)
Fan Motor (OEM)	810M009B47

Fan RLA	.27RLA
Replacement Motor	TFM92
Fan Motor Bracket	57598
Fan Blade	51572
Shroud	70651-1
Condenser	50787
Fan Guard	70769-4
Receiver Tank	51081
Receiver Tank Valve	31555-1 (3/8"S) RL
O' Ring Gasket	30334
Process Valve	31531-1 (5/8"S) RL
Optional Outdoor Enclosure	TP-181D
Crankcase Heater (If Inc)	NA
Unit Drawing	SU1894-182
Schematic or Elect. Drawing	90420-6


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CONDENSER
CAPACITOR CABINET
FAN
COMPRESSOR TERMINAL PENCE
TERMINAL BOARD
EQUIP. GROUNDING CONDUCTOR
GND
POWER LEADS FROM DISCONNECT SWITCH
DUAL, OR LOW PRESSURE CONTROL
ORANGE
BLUE
CURRENT RELAY
START CAPACITOR WITHOUT BLEEDER RESISTOR
RED
YELLOW
BLACK
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L2 IN CAPACITOR CABINET CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
NOTE: A – WITH ANY T.P.Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
CHG
PART No.
T
90420-6

Some parts listed may be optional or listed as replacement parts.